BookletChart[™]







- Complete, reduced-scale nautical chart
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- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



Published by the National Oceanic and Atmospheric Administration National Ocean Service Office of Coast Survey

<u>www.NauticalCharts.NOAA.gov</u> 888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart[™]?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=173 https://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=173 https://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=173 https://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=173 https://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=173 https://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=173 https://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=173 <a href="https://www.nauticalcharts.noaa.gov/nsd/searchbycharts.noaa.gov/nsd/search



(Selected Excerpts from Coast Pilot)
Portland Island is at the junction of
Stephens Passage with Saginaw Channel
and Favorite Channel. A reef, covered for
the most part at high water, extends 0.7
mile NW from the N end of the island
Portland Island Light (58°21'07"N.,
134°45'31"W.) marks the end of the reef.
Currents.—Tide rips and currents of
considerable velocity are reported in the
entrance, E and SE of the entrance buoy.
The maximum flood and ebb is at the light

marking the flat, and is estimated to at least 4 knots. Mariners with deep-draft vessels should make transits during slack water. The ebb

current at the fuel pier has very little velocity; the flood is reported to set slightly toward the pier.

Point Gustavus (58°23'N., 135°55'W.) is the E entrance point to Glacier Bay. The beach is of gravel and boulders. It is advisable for all vessels to stay well outside Ancon Rock when rounding Point Gustavus. Old pilings of fishtraps are in the area E of the point. A shoal bare at low water is 1 mile N of the point; the bottom in this locality is broken and uneven. Depths to 9 fathoms extend 2.7 miles S of the Point.

Currents.—The tidal currents from Point Gustavus to Willoughby Island at times attain a velocity of 6 knots or more. Heavy tide rips and swirls occur abreast Beardslee Islands, especially off the channel SE of the NW island of the group. From this channel the ebb current sets across the bay and meeting the direct current coming down on either side of Willoughby Island produces heavy swirls and rips during large tides. Above Willoughby Island the currents have little velocity. (See the Tidal Current Tables for daily predictions of times and velocities of the current.)

Ice.—Numerous discharging glaciers enter the bay, and glacial ice is always present, sometimes in enormous quantities in Muir Inlet, Tarr Inlet, and Johns Hopkins Inlet. The quantity of ice discharged into Glacier Bay varies from year to year and is greatly affected by seismic activity and local weather. Variations in ice conditions throughout the bay follow no absolutely predictable pattern. Water circulation near the glaciers is very erratic as freshwater enters at all depths. Swirls and eddies are common and cause the ice to move slowly in all directions. After a dry spell, rain causes calving and dense ice packs. When the ice falls from the faces of the glaciers, it may create waves 30 feet high. Therefore, small boats should not approach closer than 0.5 mile to active glaciers. Icebergs are unstable and should not be approached closely because, if disturbed by swell from the small boat passing, they may roll over or break apart at any time.

Beginning in January, Glacier Bay is at times frozen in its upper reaches and in the bays and inlets where much freshwater is discharged. In the upper end of all bays and inlets, the ice never gets thick during the winter freeze-over, and it either thaws or is broken by the wind and waves. The greatest amount of float ice is found in the spring, and it lessens as the season advances. In June the ice in front of the glaciers, as seen from mountains farther down, appears to be solid at the head of the bay. More ice comes down the bay on the large tides than the small, and winds also exert a marked influence on the ice movements. Occasionally in the winter the great mass of ice from Muir Glacier is congested in Muir Inlet as far S as Wachusett Inlet, and in the summer as far S as Muir Point. Icebergs are frequently in Glacier Bay off Tlingit Point, and occasionally a few small bergs are S of Willoughby Island. The ice from Lamplugh Glacier and Reid Glacier is so scattered that vessels usually have little difficulty in passing. Tarr Inlet almost never has a dense ice pack except at the face of Margerie Glacier and Grand Pacific Glacier. Usually ice cover in Johns Hopkins Inlet is dense in the winter as far E as Lamplugh Glacier. It covers only the SW leg of the inlet in the summer. Ice may occasionally be thick as far SE as Drake Island. Fog is frequently in the bay, particularly in late summer.

Caution.—The navigation of Glacier Bay outside of the main channels is not considered safe without local knowledge. The shoals are occasionally marked by grounded ice.

Ocean liners and other vessels that cruise the bay are advised to watch for kayaks and canoes in the area.

U.S. Coast Guard Rescue Coordination Center

24 hour Regional Contact for Emergencies

RCC Juneau Commander

17th CG District (907) 463-2000 Juneau, Alaska

Table of Selected Chart Notes

HEIGHTS

Heights in feet above Mean High Water.

NOTE B brown NOTE B
bluff MENDENHALL BAR

Due to shoaling in this area, mariners are cautioned to attempt passage only at high water with local knowledge. Between Buoy "7" and Daybeacon "12", unlighted buoys are used to mark the channel from April 1 to November 1.

Mooring Buoys

Numerous uncharted mooring buoys are located in the Northeast corner of Auke Bay.

NOTE C

The highwater channel between Swanson Harbor and the cove behind Couverden Island is marked with pilings. Tide boards at each end show least channel depth. 405 405

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

The prudent mariner will not rely solely or any single aid to navigation, particularly on loating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has beer mitted from this chart.

VEGETATION

The land is generally heavily wooded. The woods decrease in density with the elevation, leaving the higher elevation bare.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

CAUTION

Only marine radiobeacons have been callbrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Imagery and Mapping

Agency Publication 117.
Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:

(Accurate location) o(Approximate location)

Mercator Projection Scale 1:80,000 at Lat 58° 12'

North American Datum of 1983 (World Geodetic System 1984)

SOUNDINGS IN FATHOMS (FATHOMS AND FEET TO ELEVEN FATHOMS)
AT MEAN LOWER LOW WATER

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine ables and submarine pipeline and cable areas are shown as:

Cable Area Pipeline Area

Additional uncharted submarine pipelines and marine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where

pipelines and cables may exist, and when anchoring, dragging, or trawling. Covered wells may be marked by lighted or

NOAA WEATHER BADIO BROADCASTS

The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Mt. Robert Barron, AK KZZ-87 162.450 MHz Cape Fanshaw, AK Althorp Peak, AK Haines, AK KZZ-88 KZZ-86 WXM-97 162,425 MHz 162.425 MHz 162.40 MHz 162.55 MHz Juneau, AK WXJ-25

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting pur-poses is considered equivalent to the World Geodetic System 1984 (WGS 84) Geographic positions referred to the North American Datum of 1927 must be corrected an average of 1201* southward and 6.485* westward to agree with this chart.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153)

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 8. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Com-mander, 17th Coast Guard District in Juneau, Alaska, or at the Office of the District Engineer, Corps of Engineers in Anchorage, Alaska.

Refer to charted regulation section numbers

CAUTION

Shoalings amounting to as much as 6 feet have been disclosed in several critical shoal areas from Cross Sound to Excursion Inlet. It is probable that the Alaska Earthquake of July 10, 1958 created these shoalings and others not yet discovered. Mariners are urged to use caution when navigating over or near critical depths

AUTHORITIES

Hydrography and topography by the National Ocean Service, coast Survey with additional data fron the Corps of Engineers U.S. Coast Guard and Canadian Hydrographic Service.

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, <u>United States Coast Pilot.</u>

International Regulations for Preventing Collisions at Sea, 1972. The entire area of this chart falls seaward of the COLREGS Demarcation Lin

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical G green Al alternating B black Bn beacon C can IQ interrupted quick Iso isophase LT HO lighthouse M nautical mile

DIA diaphone m minutes MICRO TR microwave tower FI flashing

Or orange Q quick Ra Ref radar reflector R Bn radiobeacon

Mo morse code

N nun
OBSC obscured
Oc occulting Rot rotating s seconds SEC sector St M statute miles VQ very quick WHIS whistle Y yellow

R TR radio tower

Blds boulders bk broken Cy clay G gravel

Bottom characteristics:

h hard M mud Grs grass Miscellaneous:

Oys oysters Rk rock S sand sv sticky

Obstn obstruction AUTH authorized PD position doubtful Subm submerged

ED existence doubtful PA position approximate Rep reported

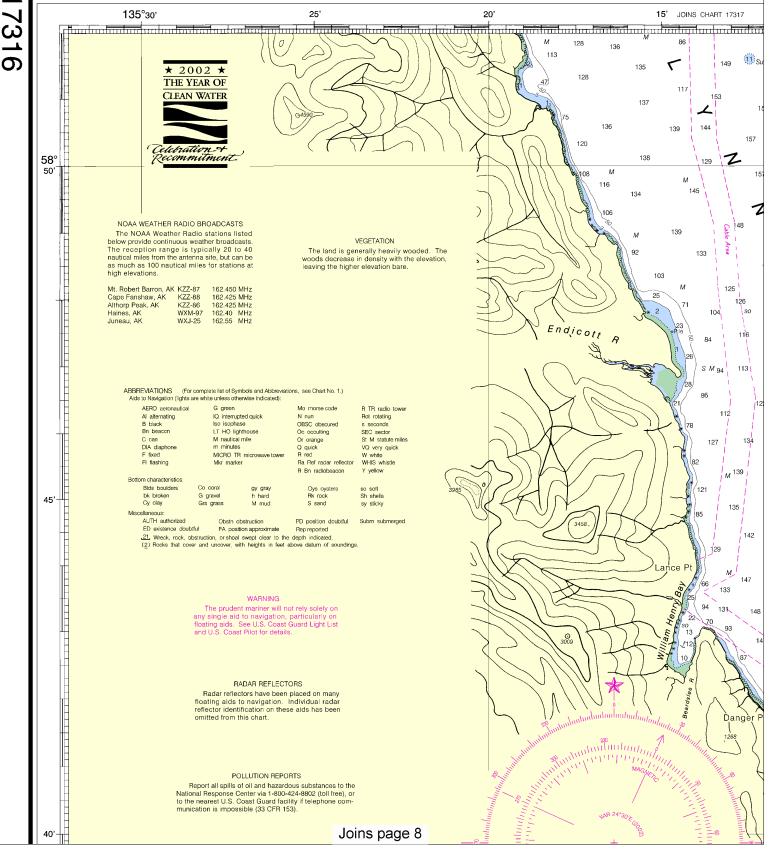
21. Wreck, rock, obstruction, or shoel swept clear to the depth indicated.

(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

gy gray

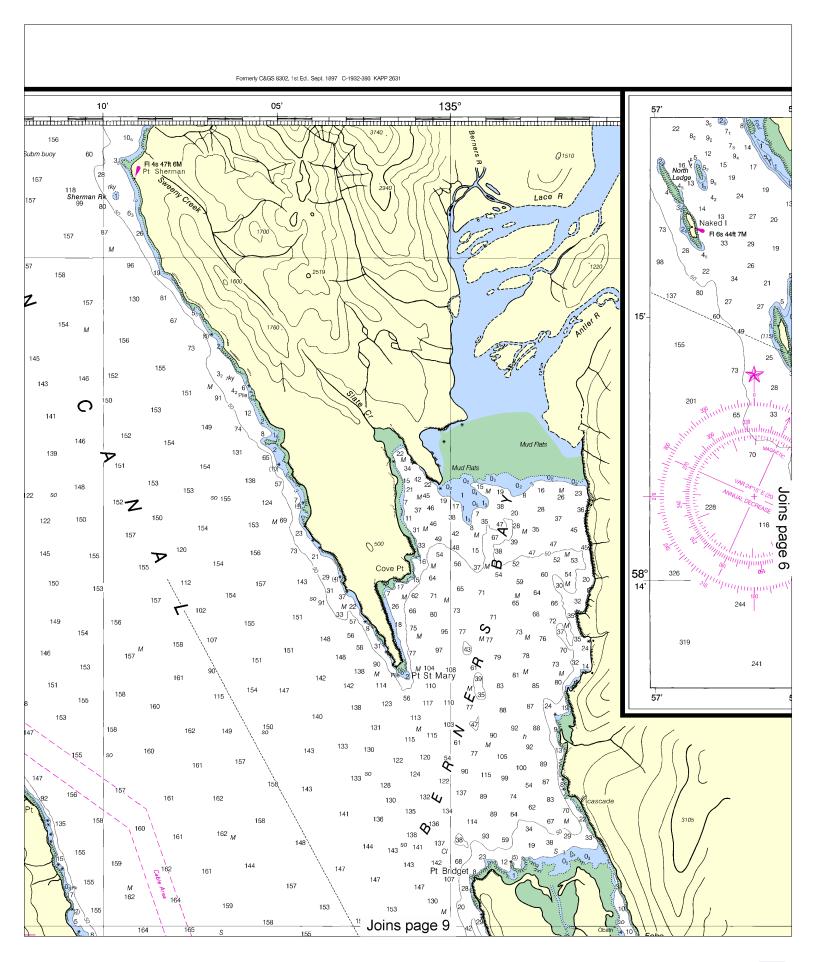
TIDAL INFORMATION					
Place		Height referred to datum of soundings (MLLW)			
Name	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
Barlow Cove (58	°15′N/134°54′W) °20′N/134°53′W) °43′N/135°14′W)	feet 15.1 15.0 15.7	feet 14.2 14.2 14.8	feet 1.6 1.3 1.6	feet -6.0 -6.0 -6.0
(000)					

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

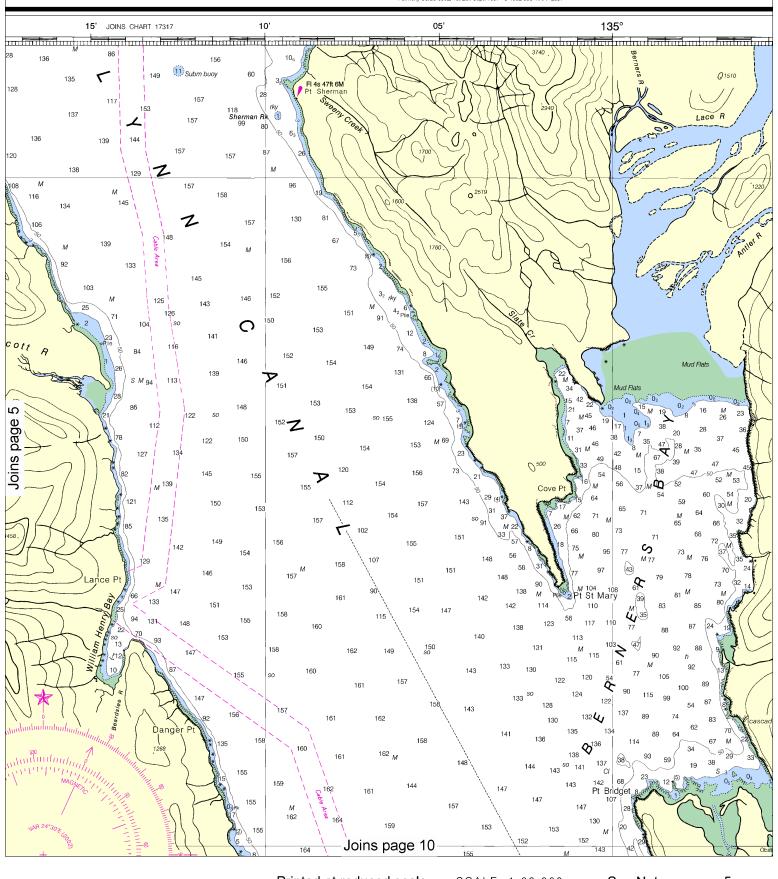




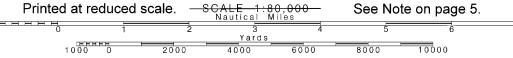




This BookletChart was reduced to 75% of the original chart scale. The new scale is 1:106667. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.

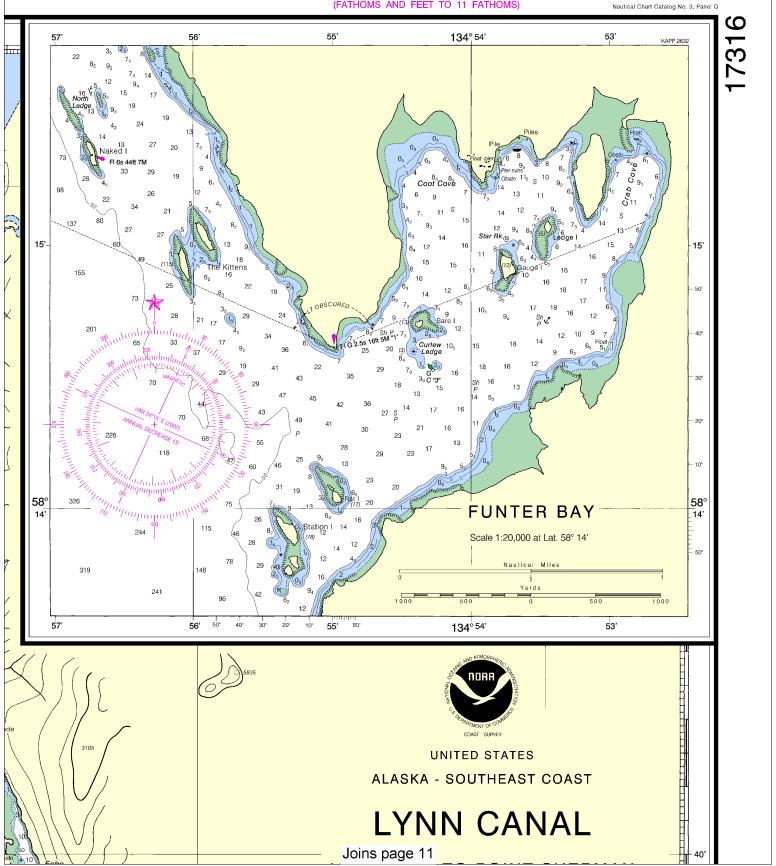


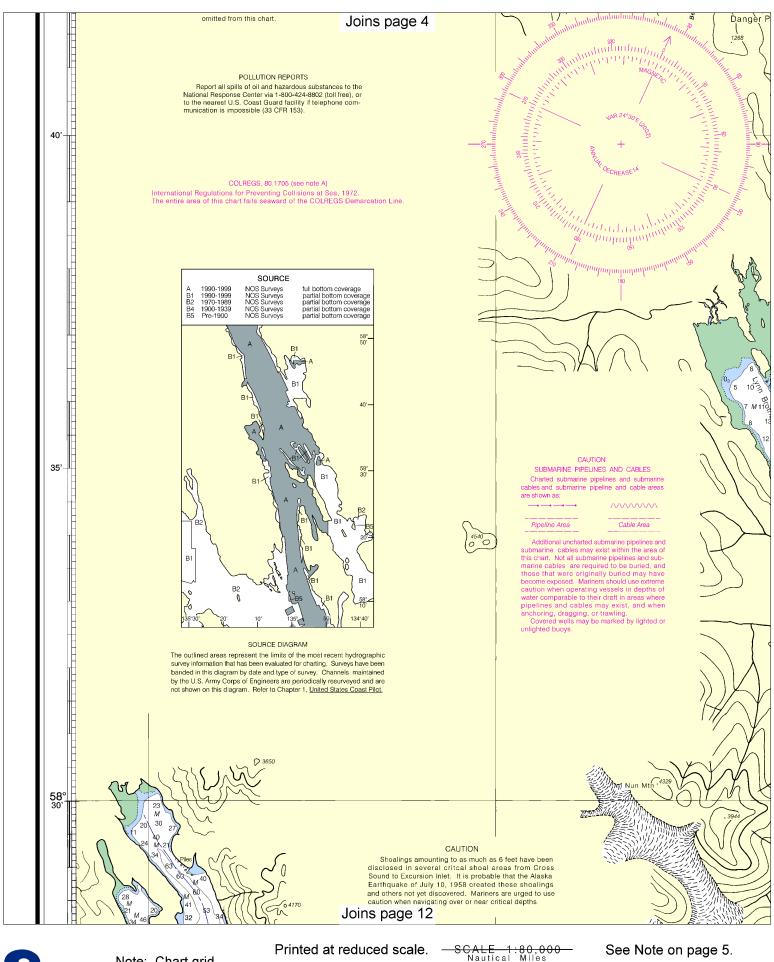




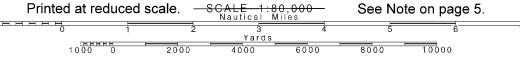
SOUNDINGS IN FATHOMS

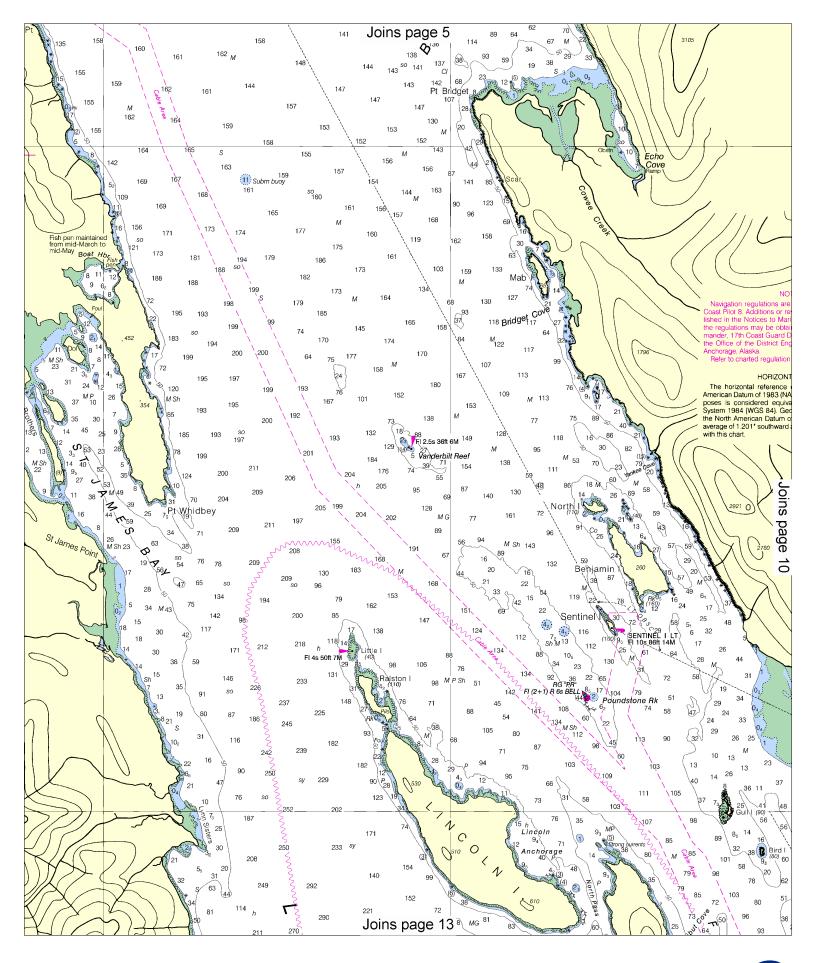
(FATHOMS AND FEET TO 11 FATHOMS)



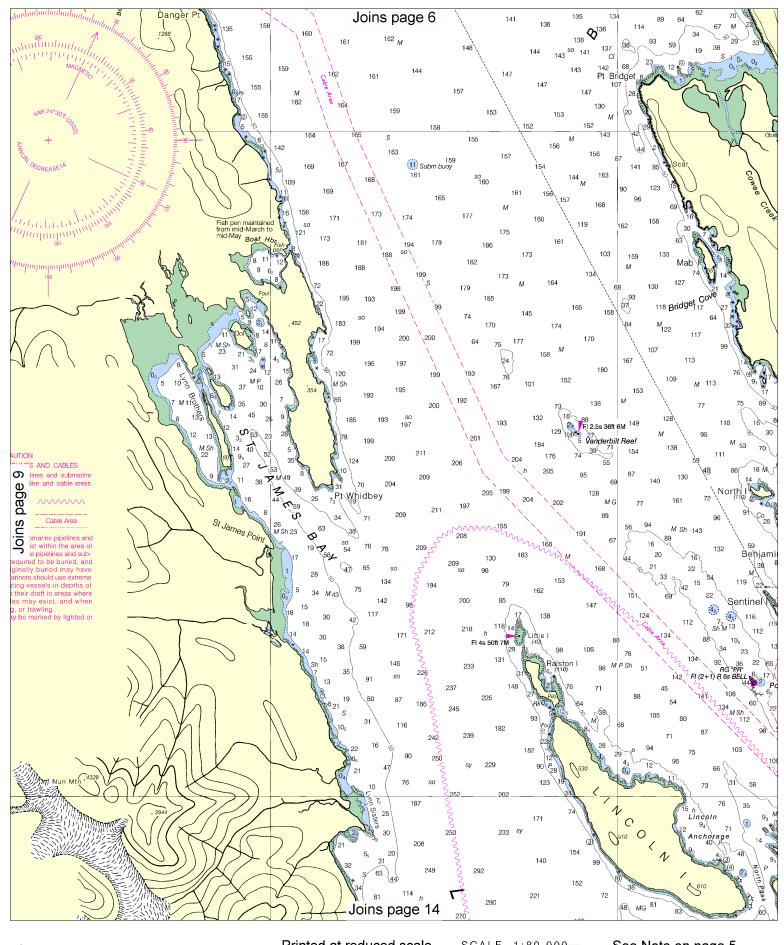




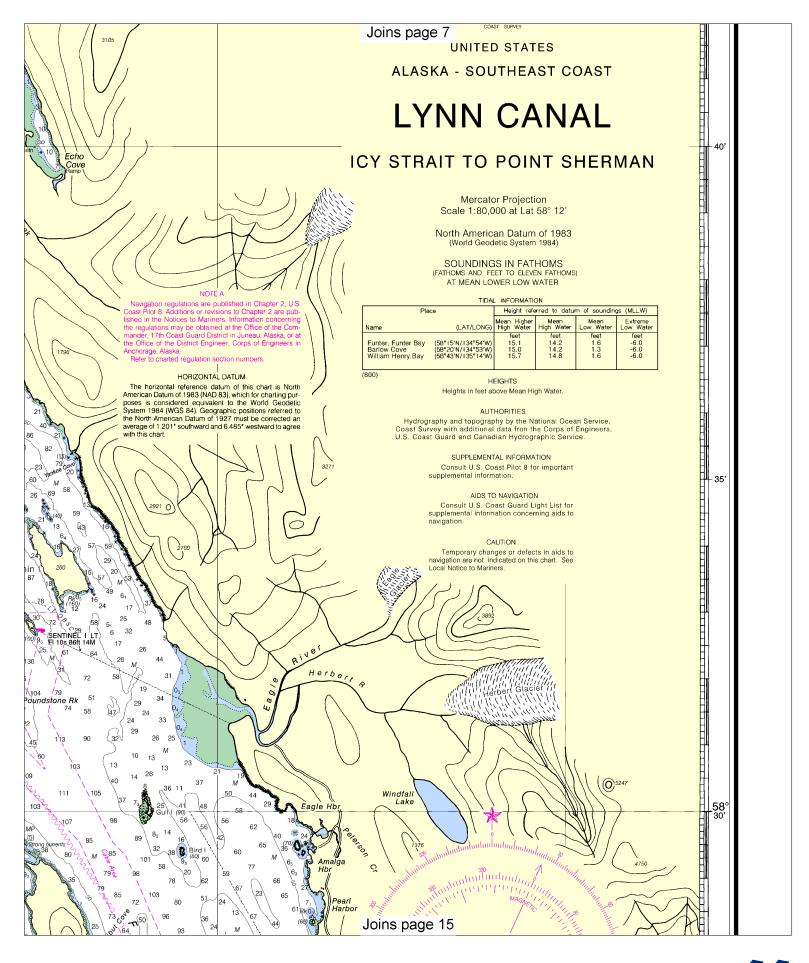


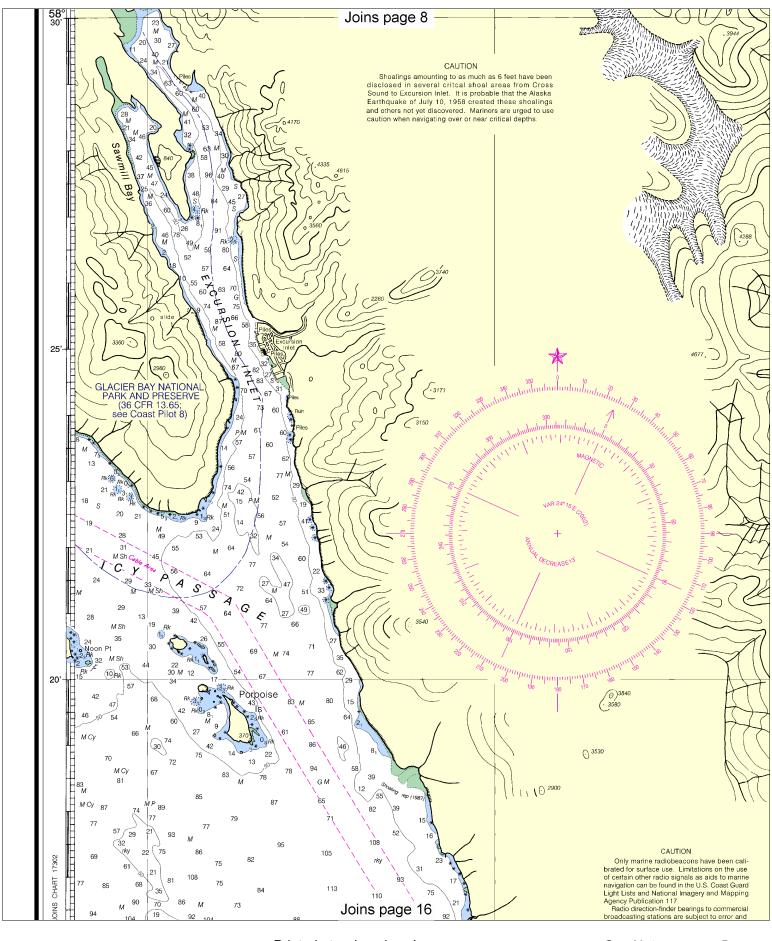




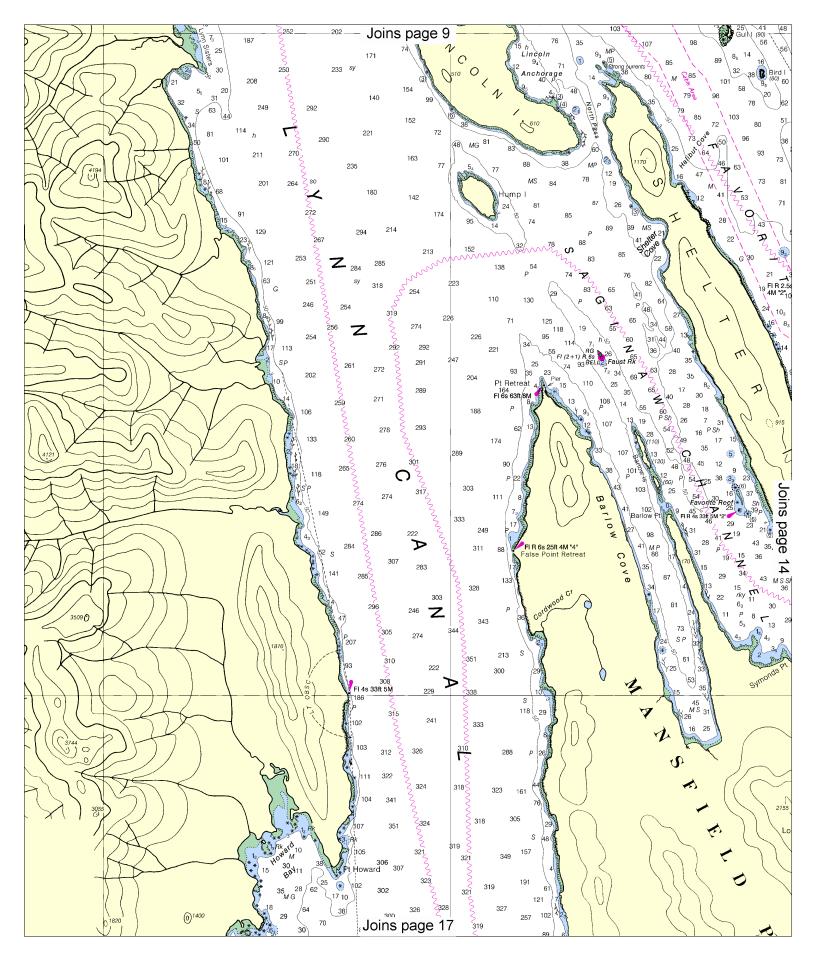


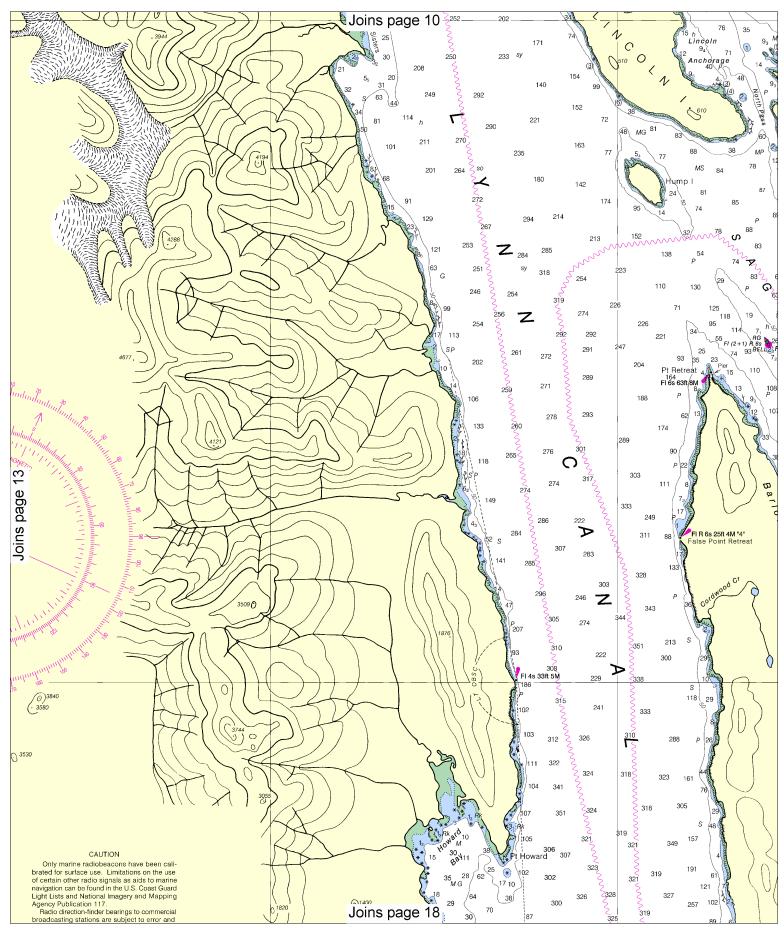




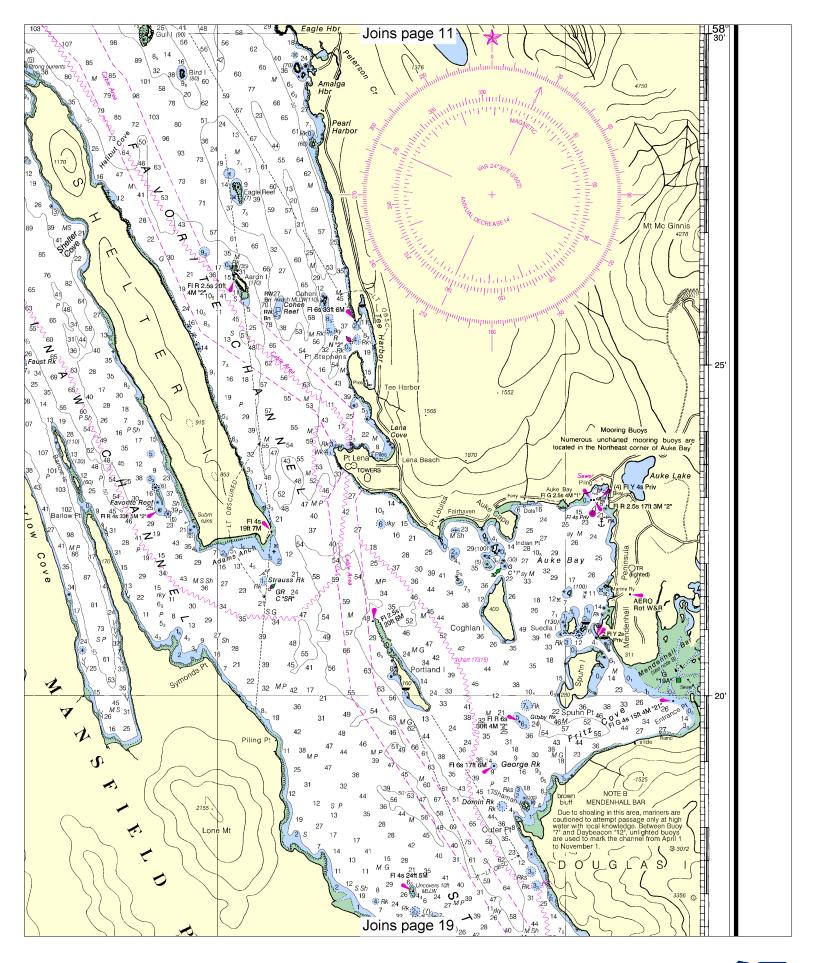


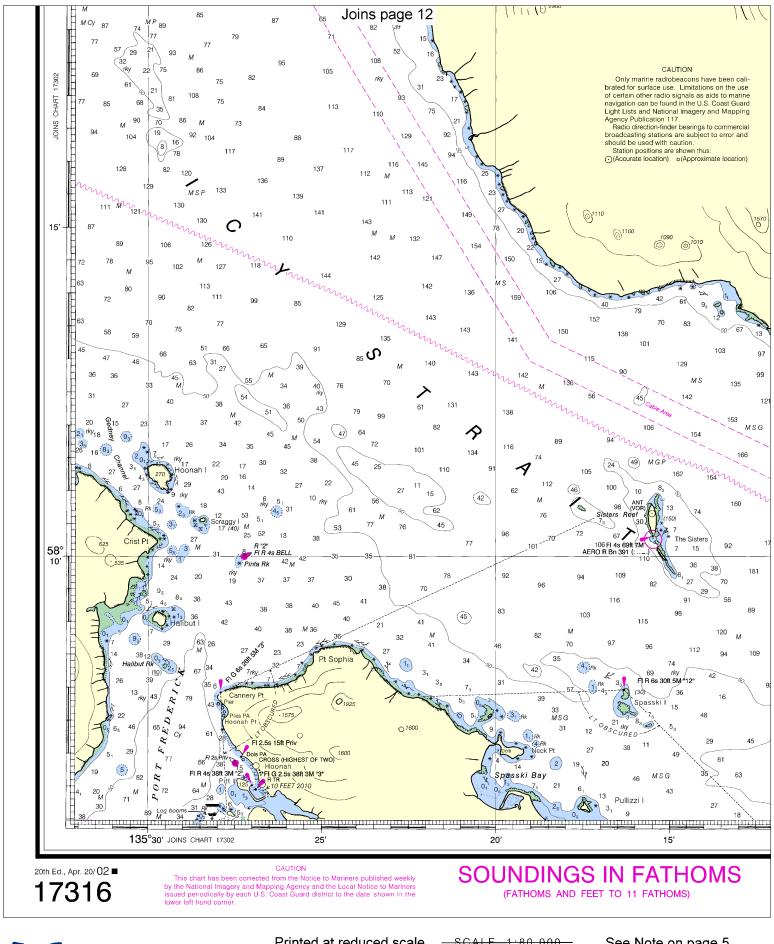




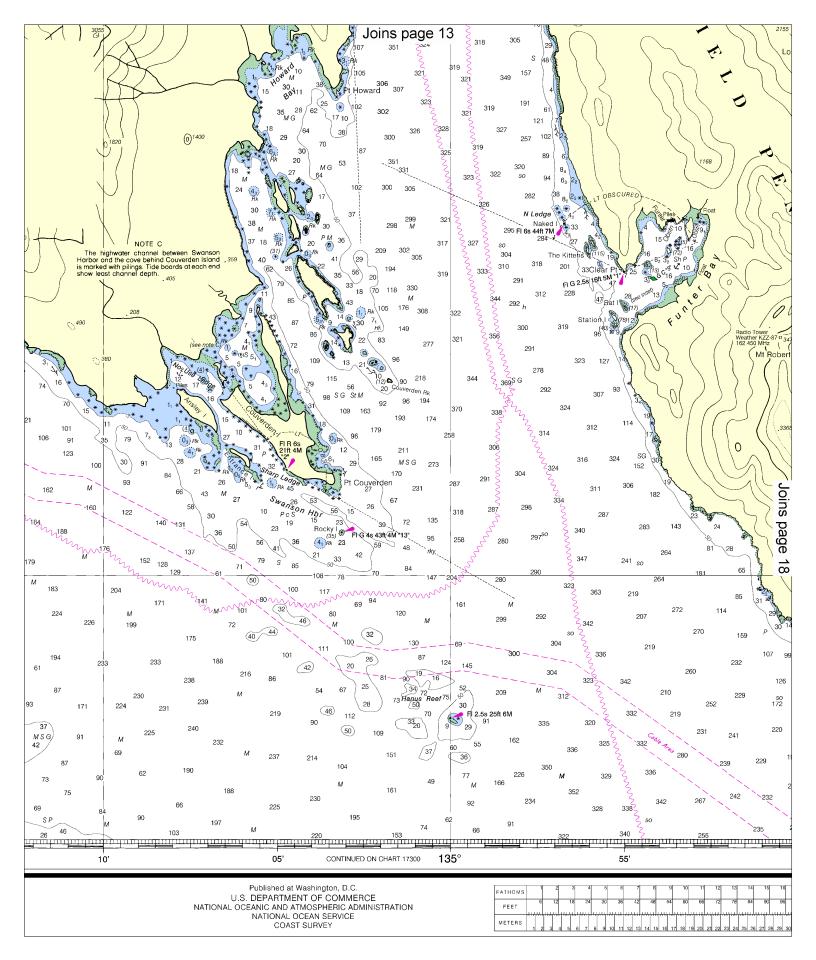


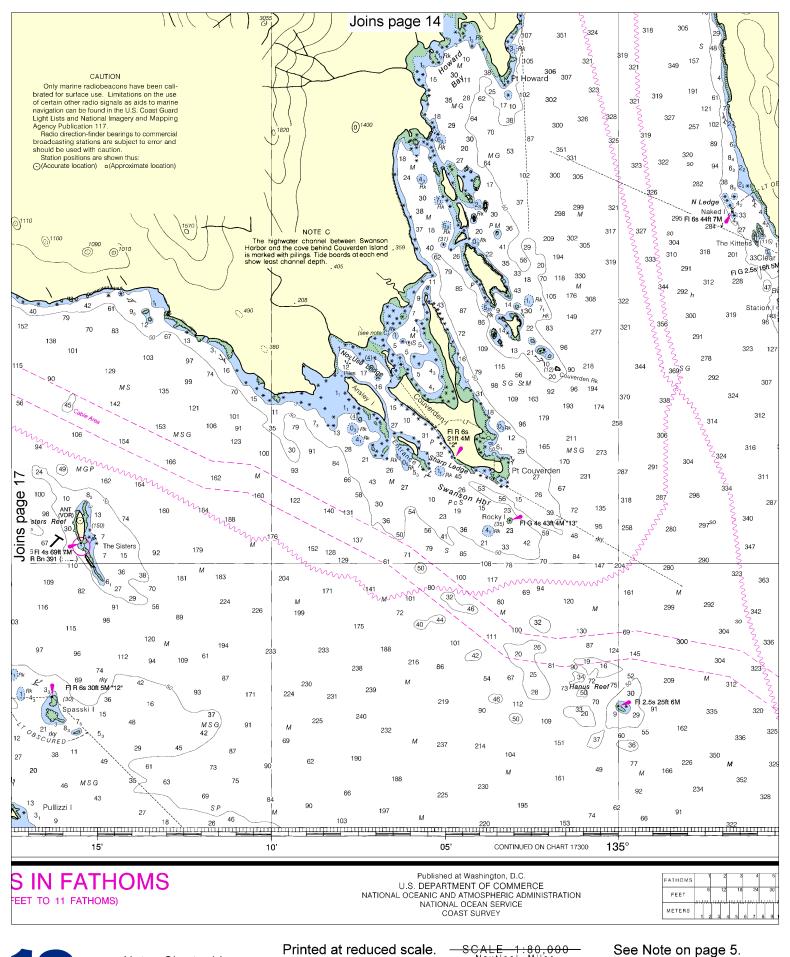




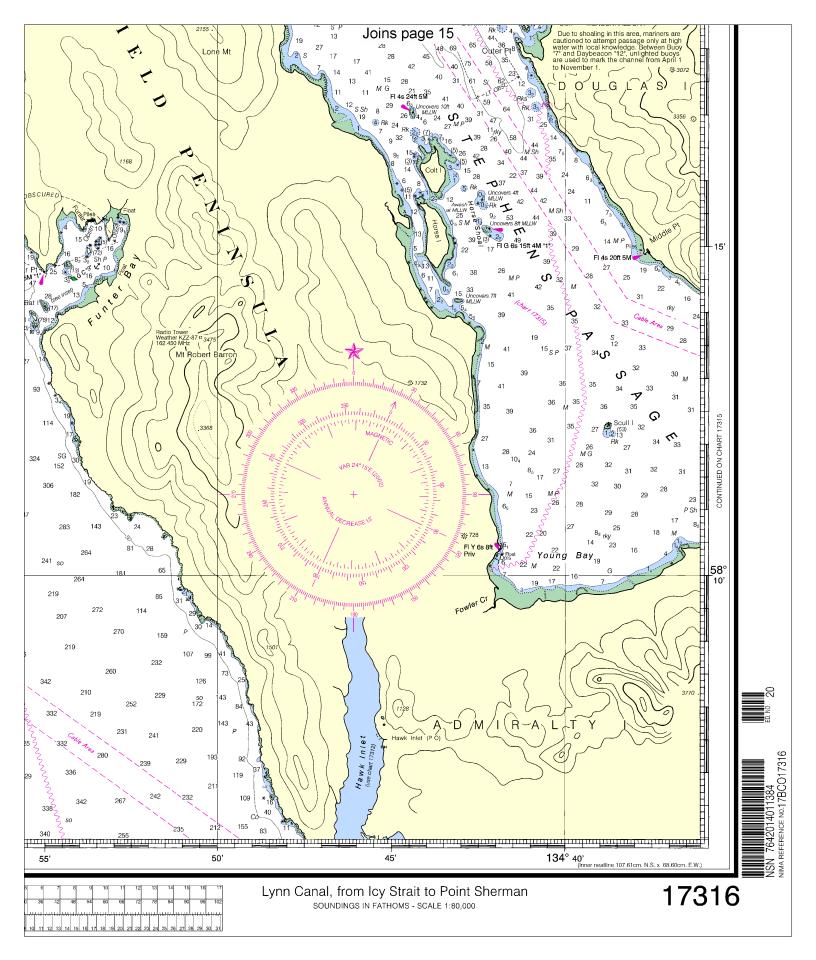














VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here. Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of

Emergency; Number of People on Board.

- · Release transmit button.
- Wait for 10 seconds If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!



NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

http://www.nws.noaa.gov/nwr/

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Coast Pilot online — http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm

Tides and Currents — http://tidesandcurrents.noaa.gov

Marine Forecasts — http://www.nws.noaa.gov/om/marine/home.htm

National Data Buoy Center — http://www.ndbc.noaa.gov/

NowCoast web portal for coastal conditions — http://www.nowcoast.noaa.gov/

National Weather Service — http://www.weather.gov/

National Hurrican Center — http://www.nhc.noaa.gov/

Pacific Tsunami Warning Center — http://ptwc.weather.gov/

Contact Us — http://www.nauticalcharts.noaa.gov/staff/contact.htm



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